

Title (en)

ELEVATOR PROVIDED WITH METAL ROPE, AND USE OF LUBRICANT FOR LUBRICATING THE METAL ROPE

Title (de)

FAHRSTUHL MIT EINEM METALLSEIL UND VERWENDUNG EINES SCHMIERMITTELS ZUR SCHMIERUNG DES METALLSEILS

Title (fr)

ASCENSEUR POURVU D'UNE CORDE MÉTALLIQUE, ET UTILISATION D'UN LUBRIFIANT POUR LUBRIFIER LA CORDE MÉTALLIQUE

Publication

EP 2432859 A1 20120328 (EN)

Application

EP 10777428 A 20100520

Priority

- FI 2010050406 W 20100520
- FI 20090202 A 20090520

Abstract (en)

[origin: WO2010133768A1] The object of the invention is a traction sheave elevator and a rope (3) that contains metal as a load-bearing material, such as the suspension rope of an elevator, which rope comprises at least one or more strands (7) laid from metal wires (9) and which rope (3) is lubricated with a lubricant (8). Another object is the use of the aforementioned lubricant for lubricating the rope (3). The lubricant (8) comprises at least oil and thickener, which thickener in the lubricant (8) comprises at least 10% or more of the mass of the lubricant (8).

IPC 8 full level

C10M 169/06 (2006.01); **B66B 11/08** (2006.01); **D07B 1/06** (2006.01); **D07B 7/12** (2006.01)

CPC (source: EP FI US)

B66B 7/06 (2013.01 - US); **B66B 7/1261** (2013.01 - EP FI US); **C10M 169/02** (2013.01 - EP US); **D07B 1/144** (2013.01 - EP FI US); **D07B 7/12** (2013.01 - FI); **C10M 2201/062** (2013.01 - EP US); **C10M 2201/081** (2013.01 - EP US); **C10M 2201/084** (2013.01 - EP US); **C10M 2201/103** (2013.01 - EP US); **C10M 2207/1256** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/32** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US); **C10N 2050/14** (2020.05 - EP US); **D07B 2201/1016** (2013.01 - EP US); **D07B 2201/102** (2013.01 - EP US); **D07B 2205/505** (2013.01 - EP US); **D07B 2501/2007** (2013.01 - EP US); **Y10T 428/23** (2015.01 - EP US); **Y10T 428/239** (2015.01 - EP US)

Cited by

WO2018113850A2; US11505758B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010133768 A1 20101125; **WO 2010133768 A8 20111222**; CN 102459545 A 20120516; CN 102459545 B 20140903; EP 2432859 A1 20120328; EP 2432859 A4 20140409; EP 2432859 B1 20180822; ES 2694077 T3 20181217; FI 125285 B 20150814; FI 20090202 A0 20090520; FI 20090202 A 20101121; HK 1170524 A1 20130301; US 2012061188 A1 20120315; US 2014182261 A1 20140703; US 8678139 B2 20140325; US 9457991 B2 20161004; WO 2010133769 A1 20101125; WO 2010133769 A8 20110303

DOCDB simple family (application)

FI 2010050406 W 20100520; CN 201080032162 A 20100520; EP 10777428 A 20100520; ES 10777428 T 20100520; FI 20090202 A 20090520; FI 2010050407 W 20100520; HK 12111270 A 20121108; US 201113301144 A 20111121; US 201414197981 A 20140305